



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2008
Code: 11331342
SAU: Poland School Department
School: Bruce M Whittier Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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SUMMARY OF SCORES

Test Date: March 2008

Grade: 8

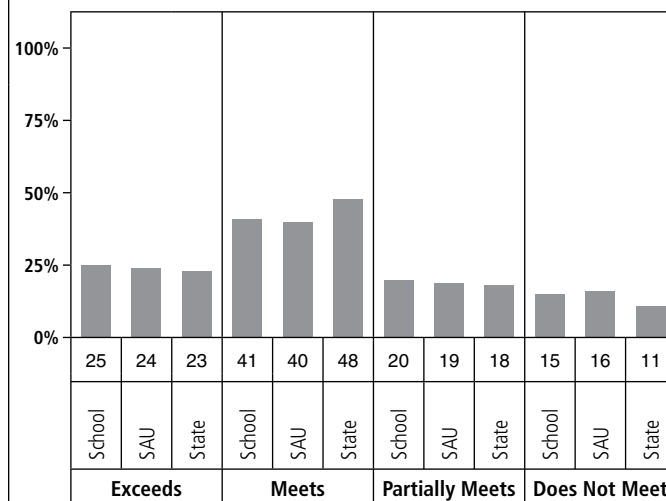
SAU: Poland School Department

School: Bruce M Whittier Middle School

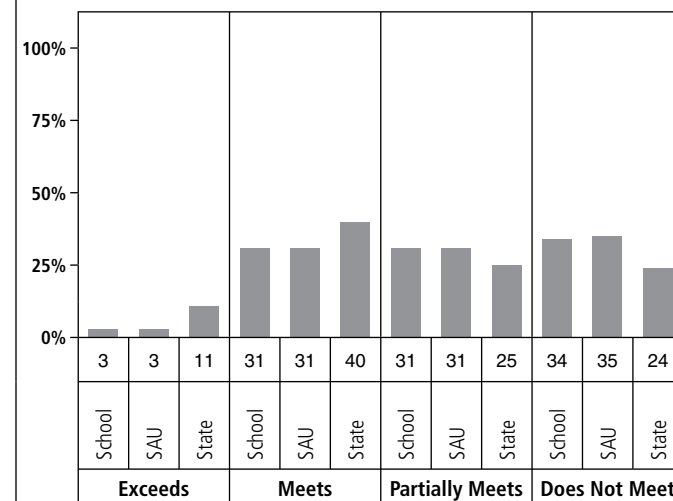
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	841	841	845
2006–2007	847	846	847
2007–2008	847	846	849
Cum. Avg. *	845	844	847
Mathematics			
2005–2006	828	828	840
2006–2007	837	836	842
2007–2008	836	835	841
Cum. Avg. *	833	833	841
Science & Technology			
2005–2006	839	839	846
2006–2007	847	846	847
2007–2008	844	843	847
Cum. Avg. *	843	842	847

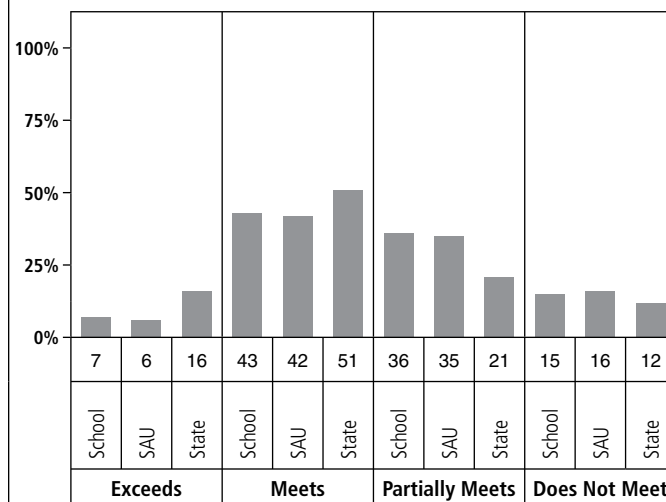
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
 Grade: 8
 SAU: Poland School Department
 School: Bruce M Whittier Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																							
							ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	62	100	63	100	15274	100	62	100	63	100	15102	99	62	100	63	100	15097	99	62	100	63	100	15080	99						
Ethnicity African American/Black	0	0	0	0	368	2	0	0	0	0	356	97	0	0	0	0	360	98	0	0	0	0	356	97						
American Indian or Native Alaskan	0	0	0	0	120	1	0	0	0	0	117	98	0	0	0	0	117	98	0	0	0	0	117	98						
Asian or Pacific Islander	0	0	0	0	186	1	0	0	0	0	181	97	0	0	0	0	182	98	0	0	0	0	182	98						
Hispanic	1	2	1	2	139	1	1	100	1	100	136	98	1	100	1	100	136	98	1	100	1	100	136	98						
Caucasian/White	61	98	62	98	14461	95	61	100	62	100	14312	99	61	100	62	100	14302	99	61	100	62	100	14289	99						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	10	16	11	17	2508	16	10	100	11	100	2446	98	10	100	11	100	2441	98	10	100	11	100	2431	98						
Current LEP	0	0	0	0	327	2	0	0	0	0	316	97	0	0	0	0	322	99	0	0	0	0	322	99						
Economically disadvantaged	24	39	24	38	5420	35	24	100	24	100	5329	99	24	100	24	100	5324	99	24	100	24	100	5313	98						
Migrant	0	0	0	0	7	0	0	0	0	0	7	100	0	0	0	0	7	100	0	0	0	0	7	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	51	82	51	81	12703	83	51	82	51	81	12694	83	51	82	51	81	12710	83						
Identified disability (PET/IEP)	0	0	0	0	437	3	0	0	0	0	421	3	0	0	0	0	445	4						
LEP	0	0	0	0	172	1	0	0	0	0	172	1	0	0	0	0	173	1						
504 plan	0	0	0	0	229	2	0	0	0	0	231	2	0	0	0	0	230	2						
Participation with accommodations	10	16	11	17	2221	15	10	16	11	17	2227	15	10	16	11	17	2197	14						
Identified disability (PET/IEP)	9	90	10	91	1832	82	9	90	10	91	1844	83	9	90	10	91	1813	83						
LEP	0	0	0	0	136	6	0	0	0	0	143	6	0	0	0	0	142	6						
504 plan	1	10	1	9	68	3	1	10	1	9	66	3	1	10	1	9	66	3						
Other	0	0	0	0	213	10	0	0	0	0	202	9	0	0	0	0	204	9						
Participation through alternate assessment (PAAP)	1	2	1	2	177	1	1	2	1	2	176	1	1	2	1	2	173	1						
Identified disability (PET/IEP)	1	100	1	100	177	100	1	100	1	100	176	100	1	100	1	100	173	100						
LEP	0	0	0	0	7	4	0	0	0	0	7	4	0	0	0	0	7	4						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																		
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	34	0						
Non-participation – other	0	0	0	0	140	1	0	0	0	0	143	1	0	0	0	0	160	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2008
Grade: 8
SAU: Poland School Department
School: Bruce M Whittier Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 861–880)	2005-2006	5	7	5	7	2695	17
	2006-2007	8	13	8	13	2407	16
	2007-2008	15	25	15	24	3428	23
	Cum. Total*	28	14	28	14	8530	18
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 841–860)	2005-2006	33	45	33	45	6830	42
	2006-2007	32	51	32	50	7494	49
	2007-2008	25	41	25	40	7179	48
	Cum. Total*	90	45	90	45	21503	46
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 829–840)	2005-2006	16	22	16	22	3741	23
	2006-2007	19	30	19	30	3628	24
	2007-2008	12	20	12	19	2706	18
	Cum. Total*	47	24	47	24	10075	22
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 800–828)	2005-2006	20	27	20	27	3003	18
	2006-2007	4	6	5	8	1810	12
	2007-2008	9	15	10	16	1611	11
	Cum. Total*	33	17	35	18	6424	14

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	56	100	35.0	62.5	34.7	62.0	36.9	65.9
Literary Text	28	50	17.8	63.6	17.6	62.9	18.3	65.4
Informational Text	28	50	17.2	61.4	17.1	61.1	18.6	66.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: Poland School Department
 School: Bruce M Whittier Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	61	15	25	25	41	12	20	9	15	847	62	24	40	19	16	846	14924	23	48	18	11	849
Ethnicity																						
African American/Black	0										0						348	11	38	22	29	840
American Indian or Native Alaskan	0										0						117	9	43	29	19	842
Asian or Pacific Islander	0										0						179	32	39	18	11	852
Hispanic	1										1						131	18	38	27	17	846
Caucasian/White	60	15	25	25	42	12	20	8	13	847	61	25	41	20	15	847	14149	23	49	18	10	850
Not Reported	0										0						0					
Identified disability																						
Yes	9	1	11	1	11	0	0	7	78	827	10	10	10	0	80	826	2269	3	24	32	42	833
No	52	14	27	24	46	12	23	2	4	850	52	27	46	23	4	850	12655	27	52	16	5	852
Current LEP																						
Yes	0										0						308	8	30	27	34	837
No	61	15	25	25	41	12	20	9	15	847	62	24	40	19	16	846	14616	23	48	18	10	850
Economically disadvantaged																						
Yes	23	3	13	9	39	5	22	6	26	841	23	13	39	22	26	841	5222	12	44	25	19	843
No	38	12	32	16	42	7	18	3	8	850	39	31	41	18	10	849	9702	29	50	14	7	853
Migrant																						
Yes	0										0						7	0	86	0	14	850
No	61	15	25	25	41	12	20	9	15	847	62	24	40	19	16	846	14917	23	48	18	11	849
Gender																						
Female	24	7	29	11	46	5	21	1	4	849	25	28	44	20	8	848	7198	30	48	15	7	853
Male	37	8	22	14	38	7	19	8	22	845	37	22	38	19	22	845	7726	17	49	21	14	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						807	9	41	32	18	842
No	61	15	25	25	41	12	20	9	15	847	62	24	40	19	16	846	14117	24	49	17	10	850
Gifted/talented program																						
Yes	0										0						592	71	28	1	0	867
No	61	15	25	25	41	12	20	9	15	847	62	24	40	19	16	846	14332	21	49	19	11	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 8
 SAU: Poland School Department
 School: Bruce M Whittier Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	7	1	25	1	25	0	0	2	50	840	8	20	20	0	60	836	9	10	39	24	26	841
B. less than one hour	70	14	33	16	37	7	16	6	14	849	69	33	37	16	14	849	46	20	50	20	11	849
C. one to two hours	21	0	0	7	54	5	38	1	8	842	21	0	54	38	8	842	41	28	49	15	7	852
D. more than two hours	2	0	0	1	100	0	0	0	0	848	2	0	100	0	0	848	5	28	44	15	12	850
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	23	5	36	4	29	4	29	1	7	851	23	36	29	29	7	851	33	31	48	14	7	853
B. They match some of what I have learned.	62	10	26	16	42	7	18	5	13	848	63	26	41	18	15	847	53	21	51	19	9	849
C. They match just a little of what I have learned.	11	0	0	4	57	1	14	2	29	837	11	0	57	14	29	837	11	14	41	25	20	844
D. There is no match.	3	0	0	1	50	0	0	1	50	835	3	0	50	0	50	835	3	6	34	26	35	836
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	18	6	55	3	27	0	0	2	18	854	18	55	27	0	18	854	31	42	44	8	6	857
B. good	54	8	24	15	45	6	18	4	12	847	55	24	44	18	15	846	49	19	54	19	9	849
C. fair	25	1	7	6	40	6	40	2	13	842	24	7	40	40	13	842	18	5	42	31	22	840
D. poor	3	0	0	1	50	0	0	1	50	833	3	0	50	0	50	833	2	4	29	32	34	835
How difficult was the reading part of this test?																						
A. harder than my regular schoolwork	10	1	17	1	17	1	17	3	50	836	10	17	17	17	50	836	15	16	44	22	18	845
B. about the same as my regular schoolwork	70	11	26	20	47	8	19	4	9	849	71	25	45	18	11	848	65	23	49	18	9	850
C. easier than my regular schoolwork	20	3	25	4	33	3	25	2	17	845	19	25	33	25	17	845	19	30	49	14	8	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	13	0	0	2	25	2	25	4	50	830	13	0	25	25	50	830	9	8	33	28	31	838
B. Most of the passages were about the same as what I normally read.	53	5	16	17	53	7	22	3	9	846	54	15	52	21	12	845	53	17	51	21	11	848
C. Most of the passages were easier than what I normally read.	33	9	45	6	30	3	15	2	10	854	33	45	30	15	10	854	38	36	48	11	5	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	30	4	22	7	39	4	22	3	17	844	29	22	39	22	17	844	43	23	48	19	10	849
B. I tried about the same as I do on my regular schoolwork.	62	10	26	18	47	7	18	3	8	849	63	26	46	18	10	848	51	25	49	17	9	851
C. I did not try as hard on this test as I do on my regular schoolwork.	8	1	20	0	0	1	20	3	60	835	8	20	0	20	60	835	6	9	43	24	23	842
How much time do you spend reading at home each day?																						
A. more than one hour	10	4	67	2	33	0	0	0	0	862	10	67	33	0	0	862	18	31	47	13	9	852
B. 20 minutes to an hour	30	5	28	6	33	5	28	2	11	846	29	28	33	28	11	846	41	28	49	15	7	852
C. less than 20 minutes	11	2	29	3	43	0	0	2	29	845	11	29	43	0	29	845	13	20	49	18	12	848
D. I rarely read at home.	49	4	13	14	47	7	23	5	17	844	50	13	45	23	19	843	28	12	47	26	16	844
How do you feel about the following statement? <i>"My knowledge of reading will be useful to me as an adult."</i>																						
A. strongly agree	31	9	47	5	26	2	11	3	16	851	31	47	26	11	16	851	43	31	48	14	7	853
B. agree	57	6	17	18	51	7	20	4	11	846	58	17	50	19	14	846	48	18	50	20	12	848
C. disagree	5	0	0	1	33	1	33	1	33	833	5	0	33	33	33	833	6	11	43	24	21	843
D. strongly disagree	7	0	0	1	25	2	50	1	25	839	6	0	25	50	25	839	2	6	36	32	26	839
Optional school/SAU question																						
A.	33	0	0	0	0	0	0	1	100	822	33	0	0	0	100	822						
B.	33	0	0	1	100	0	0	0	0	848	33	0	100	0	0	848						
C.	0										0											
D.	33	1	100	0	0	0	0	0	0	870	33	100	0	0	0	870						

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 8
SAU: Poland School Department
School: Bruce M Whittier Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 861–880)	2005-2006	3	4	3	4	1714	11
	2006-2007	5	8	5	8	1952	13
	2007-2008	2	3	2	3	1657	11
	Cum. Total*	10	5	10	5	5323	11
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 841–860)	2005-2006	11	15	11	15	5533	34
	2006-2007	20	32	20	31	5870	38
	2007-2008	19	31	19	31	5956	40
	Cum. Total*	50	25	50	25	17359	37
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 829–840)	2005-2006	24	32	24	32	4764	29
	2006-2007	17	27	17	27	3982	26
	2007-2008	19	31	19	31	3729	25
	Cum. Total*	60	30	60	30	12475	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 800–828)	2005-2006	36	49	36	49	4251	26
	2006-2007	21	33	22	34	3534	23
	2007-2008	21	34	22	35	3579	24
	Cum. Total*	78	39	80	40	11364	24

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	16	29	7.7	48.1	7.6	47.5	8.4	52.5
Cluster 2: Shape and Size	14	25	5.4	38.6	5.3	37.9	5.9	42.1
Cluster 3: Mathematical Decision Making	8	14	4.0	50.0	4.0	50.0	4.6	57.5
Cluster 4: Patterns	18	32	7.1	39.4	7.0	38.9	8.9	49.4

- Cluster 1: Numbers and Operations**
A. Numbers and Number Sense
B. Computation
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
E. Geometry
F. Measurement
- Cluster 3: Mathematical Decision Making**
C. Data Analysis and Statistics
D. Probability
- Cluster 4: Patterns**
G. Patterns, Relations, and Functions
H. Algebra Concepts
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: Poland School Department
 School: Bruce M Whittier Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	61	2	3	19	31	19	31	21	34	836	62	3	31	31	35	835	14921	11	40	25	24	841
Ethnicity																						
African American/Black	0										0						352	2	23	23	52	828
American Indian or Native Alaskan	0										0						117	5	22	33	39	832
Asian or Pacific Islander	0										0						181	24	42	20	14	848
Hispanic	1										1						131	7	34	26	33	836
Caucasian/White	60	2	3	19	32	19	32	20	33	836	61	3	31	31	34	836	14140	11	41	25	23	841
Not Reported	0										0						0					
Identified disability																						
Yes	9	0	0	1	11	1	11	7	78	819	10	0	10	10	80	817	2265	1	14	22	62	824
No	52	2	4	18	35	18	35	14	27	839	52	4	35	35	27	839	12656	13	45	26	17	844
Current LEP																						
Yes	0										0						315	5	24	20	51	828
No	61	2	3	19	31	19	31	21	34	836	62	3	31	31	35	835	14606	11	40	25	23	841
Economically disadvantaged																						
Yes	23	0	0	3	13	10	43	10	43	830	23	0	13	43	43	830	5217	5	30	29	37	834
No	38	2	5	16	42	9	24	11	29	839	39	5	41	23	31	838	9704	15	45	23	17	845
Migrant																						
Yes	0										0						7	0	43	43	14	838
No	61	2	3	19	31	19	31	21	34	836	62	3	31	31	35	835	14914	11	40	25	24	841
Gender																						
Female	24	0	0	6	25	10	42	8	33	833	25	0	24	40	36	832	7199	11	40	26	23	841
Male	37	2	5	13	35	9	24	13	35	838	37	5	35	24	35	838	7722	11	40	24	25	841
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						806	3	20	30	47	831
No	61	2	3	19	31	19	31	21	34	836	62	3	31	31	35	835	14115	12	41	25	23	842
Gifted/talented program																						
Yes	0										0						592	58	39	2	1	864
No	61	2	3	19	31	19	31	21	34	836	62	3	31	31	35	835	14329	9	40	26	25	840

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 8
 SAU: Poland School Department
 School: Bruce M Whittier Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	7	0	0	2	50	2	50	0	0	844	8	0	40	40	20	835	9	5	30	23	41	833
B. less than one hour	70	2	5	14	33	13	30	14	33	837	69	5	33	30	33	837	46	10	40	26	25	840
C. one to two hours	21	0	0	3	23	3	23	7	54	830	21	0	23	23	54	830	41	14	42	25	19	843
D. more than two hours	2	0	0	0	0	1	100	0	0	838	2	0	0	100	0	838	5	14	38	23	24	842
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	26	1	6	5	31	3	19	7	44	839	26	6	31	19	44	839	30	17	43	22	18	845
B. They match some of what I have learned.	59	1	3	14	39	11	31	10	28	837	60	3	38	30	30	836	50	10	42	26	22	841
C. They match just a little of what I have learned.	10	0	0	0	0	3	50	3	50	825	10	0	0	50	50	825	17	6	32	29	33	836
D. There is no match.	5	0	0	0	0	2	67	1	33	824	5	0	0	67	33	824	4	3	18	25	54	828
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	23	1	7	10	71	3	21	0	0	848	23	7	71	21	0	848	26	29	46	14	11	851
B. good	52	1	3	9	28	11	34	11	34	836	53	3	27	33	36	835	45	7	46	27	20	841
C. fair	16	0	0	0	0	5	50	5	50	827	16	0	0	50	50	827	23	1	26	34	38	833
D. poor	8	0	0	0	0	0	0	5	100	816	8	0	0	0	100	816	5	1	14	29	57	827
How difficult was the mathematics part of this test?																						
A. harder than my regular schoolwork	25	0	0	1	7	7	47	7	47	827	24	0	7	47	47	827	34	4	35	28	32	836
B. about the same as my regular schoolwork	57	1	3	14	40	10	29	10	29	839	58	3	39	28	31	838	52	10	43	26	21	842
C. easier than my regular schoolwork	18	1	9	4	36	2	18	4	36	837	18	9	36	18	36	837	13	33	40	14	13	852
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	15	0	0	2	22	5	56	2	22	837	15	0	22	56	22	837	44	10	40	26	25	840
B. I tried about the same as I do on my regular schoolwork.	75	2	4	15	33	13	28	16	35	836	76	4	32	28	36	835	50	13	42	24	21	843
C. I did not try as hard on this test as I do on my regular schoolwork.	10	0	0	2	33	1	17	3	50	832	10	0	33	17	50	832	6	9	27	27	38	835
How often do you use laptops in mathematics class?																						
A. almost every day	56	1	3	13	38	12	35	8	24	838	55	3	38	35	24	838	9	6	38	27	29	837
B. two or three days a week	31	1	5	2	11	7	37	9	47	832	31	5	11	37	47	832	16	8	38	27	27	839
C. two or three times each month	8	0	0	3	60	0	0	2	40	843	8	0	60	0	40	843	28	12	41	27	21	843
D. never or almost never	5	0	0	1	33	0	0	2	67	821	6	0	25	0	75	816	48	13	40	23	24	842
How often do you use calculators in mathematics class?																						
A. almost every day	41	1	4	7	28	9	36	8	32	837	42	4	27	35	35	835	38	14	42	23	21	843
B. two or three times a week	44	0	0	9	33	7	26	11	41	834	44	0	33	26	41	834	33	10	41	26	23	841
C. two or three times each month	15	1	11	3	33	3	33	2	22	838	15	11	33	33	22	838	18	10	36	27	27	840
D. never or almost never	0										0						11	7	34	26	33	836
How do you feel about the following statement? <i>"My knowledge of mathematics will be useful to me as an adult."</i>																						
A. strongly agree	41	1	4	8	32	6	24	10	40	835	40	4	32	24	40	835	54	14	44	23	18	844
B. agree	51	0	0	11	35	10	32	10	32	836	52	0	34	31	34	835	38	8	36	27	28	838
C. disagree	7	1	25	0	0	3	75	0	0	843	6	25	0	75	0	843	6	6	31	28	36	835
D. strongly disagree	2	0	0	0	0	0	0	1	100	826	2	0	0	0	100	826	2	3	23	25	49	831
Optional school/SAU question																						
A.	33	0	0	0	0	0	0	1	100	810	33	0	0	0	100	810						
B.	33	0	0	1	100	0	0	0	0	852	33	0	100	0	0	852						
C.	0										0											
D.	33	0	0	0	0	1	100	0	0	840	33	0	0	100	0	840						

SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008
Grade: 8
SAU: Poland School Department
School: Bruce M Whittier Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 861–880)	2005-2006	3	4	3	4	1879	12
	2006-2007	10	16	10	16	2192	14
	2007-2008	4	7	4	6	2371	16
	Cum. Total*	17	9	17	9	6442	14
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 841–860)	2005-2006	25	34	25	34	8604	53
	2006-2007	27	43	27	42	7916	52
	2007-2008	26	43	26	42	7630	51
	Cum. Total*	78	39	78	39	24150	52
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 831–840)	2005-2006	27	36	27	36	3618	22
	2006-2007	16	25	16	25	3340	22
	2007-2008	22	36	22	35	3175	21
	Cum. Total*	65	33	65	33	10133	22
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 800–830)	2005-2006	19	26	19	26	2174	13
	2006-2007	10	16	11	17	1865	12
	2007-2008	9	15	10	16	1731	12
	Cum. Total*	38	19	40	20	5770	12

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	14	25	8.0	57.1	7.9	56.4	8.1	57.9
Cluster 2: Physical Sciences	14	25	6.0	42.9	6.0	42.9	7.3	52.1
Cluster 3: Earth and Space Sciences	14	25	6.9	49.3	6.9	49.3	7.7	55.0
Cluster 4: Nature and Implications of Science	14	25	8.0	57.1	7.9	56.4	8.5	60.7

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslat/gles.htm>.

SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: Poland School Department
 School: Bruce M Whittier Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	61	4	7	26	43	22	36	9	15	844	62	6	42	35	16	843	14907	16	51	21	12	847
Ethnicity																						
African American/Black	0										0						349	4	35	26	34	837
American Indian or Native Alaskan	0										0						117	8	40	28	24	840
Asian or Pacific Islander	0										0						181	20	50	15	15	849
Hispanic	1										1						131	5	50	22	23	842
Caucasian/White	60	4	7	26	43	22	37	8	13	844	61	7	43	36	15	844	14129	16	52	21	11	848
Not Reported	0										0						0					
Identified disability																						
Yes	9	0	0	2	22	2	22	5	56	832	10	0	20	20	60	831	2258	3	29	31	37	836
No	52	4	8	24	46	20	38	4	8	846	52	8	46	38	8	846	12649	18	55	20	7	850
Current LEP																						
Yes	0										0						315	4	29	25	42	834
No	61	4	7	26	43	22	36	9	15	844	62	6	42	35	16	843	14592	16	52	21	11	848
Economically disadvantaged																						
Yes	23	1	4	7	30	11	48	4	17	839	23	4	30	48	17	839	5206	8	45	28	20	842
No	38	3	8	19	50	11	29	5	13	847	39	8	49	28	15	846	9701	20	55	18	7	850
Migrant																						
Yes	0										0						7	29	57	14	0	852
No	61	4	7	26	43	22	36	9	15	844	62	6	42	35	16	843	14900	16	51	21	12	847
Gender																						
Female	24	1	4	10	42	10	42	3	13	843	25	4	40	40	16	842	7196	14	52	23	12	847
Male	37	3	8	16	43	12	32	6	16	844	37	8	43	32	16	844	7711	18	51	20	12	848
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						804	6	38	34	22	841
No	61	4	7	26	43	22	36	9	15	844	62	6	42	35	16	843	14103	16	52	21	11	848
Gifted/talented program																						
Yes	0										0						592	63	35	1	0	865
No	61	4	7	26	43	22	36	9	15	844	62	6	42	35	16	843	14315	14	52	22	12	847

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 8
 SAU: Poland School Department
 School: Bruce M Whittier Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	7 70 21 2	0 3 1 0	0 7 8 0	2 17 6 1	50 40 46 100	2 16 4 0	50 37 31 0	0 7 2 0	0 16 15 0	846 843 843 852	8 69 21 2	0 7 8 0	40 40 46 100	40 37 31 0	20 16 15 0	841 843 843 852	9 46 41 5	10 14 19 19	40 52 53 47	26 22 19 21	23 12 9 14	842 847 849 848
How well do the questions that you have just been given on this MEA test match what you have learned in school about science? A. The questions on the test match what I have learned in science class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	17 68 12 3	0 4 0 0	0 10 0 0	5 18 3 0	50 44 43 0	4 13 3 2	40 32 43 100	1 6 1 0	10 15 14 0	844 844 844 838	16 69 11 3	0 10 0 0	50 43 43 0	40 31 43 100	10 17 14 0	844 844 844 838	29 49 18 5	19 16 13 9	54 51 51 39	19 22 23 29	9 11 13 23	849 848 846 842
Which of the following best describes how you rate yourself as a student in science? A. very good B. good C. fair D. poor	16 44 36 3	2 1 1 0	20 4 5 0	5 13 8 0	50 48 36 0	1 10 10 1	10 37 45 50	2 3 3 1	20 11 14 50	849 844 842 831	16 45 35 3	20 4 5 0	50 46 36 0	10 36 45 50	20 14 14 50	849 843 842 831	23 54 20 3	28 15 5 2	51 55 45 35	13 21 32 34	8 9 18 29	853 848 842 838
How difficult was the science part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	15 72 13	0 3 1	0 7 13	4 19 3	44 43 38	4 15 3	44 34 38	1 7 1	11 16 13	844 843 844	15 73 13	0 7 13	44 42 38	44 33 38	11 18 13	844 843 844	27 59 13	15 15 21	49 53 51	22 22 18	14 10 10	846 848 850
How hard did you try on the science part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	21 69 10	0 4 0	0 10 0	6 17 3	46 40 50	3 17 2	23 40 33	4 4 1	31 10 17	837 846 843	21 69 10	0 9 0	46 40 50	23 40 33	31 12 17	837 845 843	40 55 5	15 17 12	51 53 41	22 21 25	12 10 22	847 848 843
Which courses do you plan to take before you graduate from high school? A. earth and space science and/or biology B. the course(s) described in A, plus chemistry C. the course(s) described in B, plus physics D. a life science and physical science class	26 24 19 31	2 0 2 0	13 0 18 0	4 9 5 6	27 64 45 33	7 3 3 8	47 21 27 44	2 2 1 4	13 14 9 22	843 847 849 838	27 24 19 31	13 0 18 0	25 64 45 33	44 21 27 44	19 14 9 22	842 847 849 838	25 24 22 29	11 18 30 8	53 53 47 52	23 20 14 27	13 10 8 14	846 849 853 844
How do you feel about the following statement? <i>“My knowledge of science and technology will be useful to me as an adult.”</i> A. strongly agree B. agree C. disagree D. strongly disagree	18 51 30 2	2 2 0 0	18 6 0 0	6 14 6 0	55 45 33 0	1 12 8 1	9 39 44 100	2 3 4 0	18 10 22 0	850 845 838 840	18 52 29 2	18 6 0 0	55 44 33 0	9 38 44 100	18 13 22 0	850 844 838 840	27 54 15 4	23 15 10 7	51 53 50 39	17 21 26 30	9 11 14 24	851 847 845 841
How well does the following statement reflect your future goals? <i>“I am interested in a career related to science, technology, engineering, or mathematics.”</i> A. strongly agree B. agree C. disagree D. strongly disagree	16 38 26 20	1 3 0 0	10 13 0 0	4 8 9 5	40 35 56 42	3 8 4 7	30 35 25 58	2 4 3 0	20 17 19 0	846 844 843 842	16 37 27 19	10 13 0 0	40 35 53 42	30 35 24 58	20 17 24 0	846 844 842 842	25 37 26 12	24 15 12 8	52 50 53 48	15 22 23 28	8 12 12 15	851 847 846 844
Optional school/SAU question A. B. C. D.	33 33 0 33	0 0 0 0	0 0 0 0	0 0 1 100	0 0 0 100	0 1 0 0	0 100 0 0	1 0 0 0	100 0 0 0	824 834 0 860	33 33 0 33	0 0 0 0	0 0 100 0	0 100 0 0	100 0 0 0	824 834 0 860						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
 N = Number